<u>Abstract</u>

Stabilized aqueous solution of a coenzyme for hydrogentransferring enzymes characterized in that the solution contains NAD, NADP or a derivative thereof in an oxidized or reduced form and one or several organic compounds or salts thereof having a pKa value between 1.5 and 6.0 and/or a nitrogen compound of the general formula (I)

$$R^{1}-O-N$$
 R^{3}
(I)

in which the residues R^1 , R^2 and R^3 are the same or different and denote hydrogen, or a saturated or unsaturated alkyl or aryl group as well as the use of the solution to determine dehydrogenases in particular lactate dehydrogenase or substrates thereof.